

10 APR 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

(Use as many sheets as necessary)

SO03-P05

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	9	WO-A-0068718	11-16-2000	Corning Incorporated		<input checked="" type="checkbox"/>
	10	GB2304978A	03-26-1997	University of Southampton		<input checked="" type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

09/28/2009

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10/575109
10 APR 2008

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	BADDING, John V.
		Art Unit	
		Examiner Name	
Sheet 3	of 4	Attorney Docket Number	SO03-P05

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	K. HIRAO et al, "Active Glasses for Functional Devices", Springe-Verlag, Berlin, Chapter 6, Pages 188-193	✓
	B	PETER J. MELLING, "Alternative Methods of Preparing Chalcogenide Glasses", Glass Division of the American Ceramic Society, 03-30-1984, Pgs 1427 - 29, Volume 63, No. 11 (1984)	✓
	C	TOSHIO KATSUYAMA et al, "Fabrication of High-Purity Chalcogenide Glasses by Chemical Vapor Deposition", 03-01-1986, Pgs 1446-49, J. Appl Phys. 59(5)	✓
	D	ANDREW N. MACINNES et al, "Chemical Vapor Deposition of Cubic Gallium Sulfide Thin Films: A New Metastable Phase", Pgs 11 - 14, Chem. Mater: 1992, 4	✓
	E	STEPHAN SCHULZ et al, "Synthesis of Gallium Chalcogenide Cubanes and Their Use as CVD Precursors for Ga(2) E(3) (E=S, Se), Pgs4880-83, 10-29-1996, Organometallics 15 (22)	✓
	F	H. TAWARAYAMA, "Fibre Amplifiers Based on Rare Earth-Doped Chalcogenide", D5.1 Pgs 355-57, March 1998, EMIS Datareviews Series, No 22	✓
	G	T. SCHWEIZER, "Fibre Lasers Based on Rare Earth-Doped Chalcogenide Glass", D5.2 Pgs 358-61, November 1997, EMIS Datareviews Series, No 22	✓
	H	I. ABDULALIM et al, "High Performance Acousto-Optic Chalcogenide Glass Based On Ga2S3-La2S3 Systems", Pgs 1251-54, 1993, J. Non-Crystalline Solids (1993)	✓
	I	CARMENT B. PEDROSO et al, "High Verdet Constant Ga:S:La:O Chalcogenide Glasses for Mageneto-Optical Devices", Pgs 214-19, Feb 1999, Optical Engineering Vol. 38	✓
	J	K. SHIMAKAWA, A. KOLOBOV, S.R. ELLIOT, "Photoinduced Effects and Metastability in Amorphous Semiconductors and Insulators", Pgs 475-688, 1995, Advances in Physics Vol 44 No. 6	✓

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.A./ (09/28/2009)

Examiner Signature	/Elizabeth Arnade/ (09/28/2009)	Date Considered	09/28/2009
--------------------	---------------------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

4

of

4

Complete If Known
Application Number

Filing Date

First Named Inventor

BADDING, John V.

Art Unit

Examiner Name

Attorney Docket Number

SO03-P05

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	K	MARCO PETROVICH et al, "Temperature Dependence of Reversible Photodarkening in Ga:La:S and Ga:La:S:O Glass Fibres", Pgs. 951-52, 07-06-2001, International Congress on Glass Vol 2, Edinburgh, Scotland	✓
	L	D.W. HALL et al, "Nonlinear Optical Susceptibilities of High-Index Glasses", Pgs 1293 - 95, April 1989, Appl. Phys. Lett. 54(14) April 1989	✓
	M	ALI SALIMINIA et al, "First - and Second-Order Bragg Gratings in Single-Mode Planar Waveguides of Chalcogenide Glasses", Pgs 838-42, 1999, J. Lightwave Tech Vol 17, No. 5, May 1999	✓
	N	MASAKI ASOBE et al, "Nonlinear Refractive Index Measurement in Chalcogenide-Glass Fibers by Self-Phase Modulation", Pgs 1153-54, 01-06-1992, Appl Phys Lett 60(10) 9 Mar 1992	✓
	O	B.L. SELEZNEV et al, "Chemical Sensors in Natural Water: Behavioral Features of Chalcogenide Glass Electrodes for Determining Copper, Lead, and Cadmium Ions", Pgs 813-17, 03-24-1995, J. Analytic Chemistry, Vol 51, No. 8 1996	✓
	P	T.A. BIRKS et al, "Four-Port Fiber Frequency Shifter With a Null Taper Coupler", Pgs 1964-66, 03-10-1994, Optics Letters, Vol. 19 No. 23, Dec. 1, 1994	✓
	Q	SEOK HYUN YUN, et al, "All-Fiber Acoustooptic Filter With Low-Polarization Sensitivity and No Frequency Shift, Pgs 461-63, April 1997, IEEE Photonics Technology Letters, Vol 9, No. 4 April 1997	✓
	R	TESTBOURNE LTD, "G3-10008-P-Germanium Suphide, Powder", Supervac Materials, Retrieved from the internet at URL: http://www.supervacmaterials.com/showpart.asp?code_number=G3-10008-P	✓
	S	Ir. R. C. SCHIMMEL, "Glass Technology, Online!", Pages 1-3, XP-002310681, Retrieved from the Internet at http://www.chem.tue.nl/glasstech/GLASSP7.htm	✓
	T	D. Marchese, "Spectroscopic and Thermal Properties of GeS2-based Chalcogenide Glasses", 05-01-1996, Page 1, J. of Modern Optics, Vol 43 No 5, Retrieved from the URL: http://www.tandf.co.uk/journals/08847867/v43n05	✓

Examiner
Signature

/Elizabeth Arnade/ (09/28/2009)

Date

Considered

09/28/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.